

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/08027

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H01B11/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	DE 43 36 230 C (GRONEBERG) 23 March 1995 see column 3, line 48 - column 6, line 12; figures 1-4 ---	1,2 12,13
Y A	US 3 819 443 A (SIMONS ET AL.) 25 June 1974 see column 3, line 42 - column 4, line 23; figures 11,12 -----	1,2 3,12,13

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Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

22 July 1998

Date of mailing of the international search report

29/07/1998

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Information on patent family members

International Application No

PCT/US 98/08027

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4336230	C	23-03-1995	NONE
US 3819443	A	25-06-1974	CA 1019663 A 25-10-1977
			DE 2401585 A 18-07-1974
			GB 1461191 A 13-01-1977
			GB 1461192 A 13-01-1977
			JP 49103185 A 30-09-1974
			US 3848073 A 12-11-1974
			US 3911200 A 07-10-1975